Logic Symbols Examples

p	q	$p \Rightarrow q$	$\neg p \Rightarrow (q \leftrightarrow p)$	$p \wedge q$	$p \vee q$	$\neg p \oplus q$
0	0	1	1	0	0	1
1	0	0	1	0	1	0
0	1	1	0	0	1	0
1	1	1	1	1	1	1

p	q	$p \to q$	$\sim p \to (q \leftrightarrow p)$	$p \cdot q$	$p + q$	$\sim p \veebar q$
0	0	1	1	0	0	1
1	0	0	1	0	1	0
0	1	1	0	0	1	0
1	1	1	1	1	1	1

p	q	$p \supset q$	$!p \supset (q \equiv p)$	$p \& q$	$p \parallel q$	$!p \nleftrightarrow q$
0	0	1	1	0	0	1
1	0	0	1	0	1	0
0	1	1	0	0	1	0
1	1	1	1	1	1	1

p	q	$p \Rightarrow q$	$\neg p \Rightarrow (q \Leftrightarrow p)$	$p \wedge q$	$p \vee q$	$\neg p \not\equiv q$
0	0	1	1	0	0	1
1	0	0	1	0	1	0
0	1	1	0	0	1	0
1	1	1	1	1	1	1

p	q	$p \to q$	$'p \to (q \leftrightarrow p)$	$p \wedge q$	$p \vee q$	$'p \not\equiv q$
0	0	1	1	0	0	1
1	0	0	1	0	1	0
0	1	1	0	0	1	0
1	1	1	1	1	1	1